ABB BALDOR RELIANCE

Customer information packet

L5028T

3HP, 3450RPM, 1PH, 60HZ, 184T, X3634L, XPFC, F1
Class - CLI GP D
Division - Division I

8/25/2026 7:46:51 PM

Specifications

Enclosure	XPFC
Frame	184T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UL
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	14.500 A @ 230.0 V
	29.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T2C
Heater Indicator	No Heater

Part Detail

Revision	AQ
Type	AC
Mech. spec.	36N001
Base	
Status	PRD/A
Elec. spec.	36WG0201
Layout	36LYN001
Eff. date	05-07-2026
CD Diagram	CD0001
Poles	02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	14.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.42 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0015XPSL							
NO.		**CC**					
SER. #							
SPEC	36N01-201						
CAT.NO.	L5028T						
H.P.	3	**T. CODE**	T2C				
VOLTS	115/230						
AMPS	29/14.5						
R.P.M.	3450						
HZ	60	**PH**	1	**CLASS**	B		
SER.F.	1.00	**DES**	L	**CODE**	G		
RATING	40C AMB-CONT						
FRAME	184T	**NEMA NOM. EFF**	76				
	PF	87					
BLANK							

AC Induction Motor Performance Data
Record # 20849
Typical performance - not guaranteed values

Winding: 36WG0201-R002	**Type:** 3634L	**Enclosure:** XPFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	4.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			29/14.5	**Breakdown Torque**	14 LB-FT
R.P.M.			3450	**Pull-up Torque**	8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	10 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	86 A
Service Factor (S.F.)			1	**No-load Current**	5.5 A
NEMA Nom. Eff.	76	**Power Factor**	87	**Line-line Res. @ 25ºC**	0.588 Ω A Ph 0.896 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	80°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	70	83	88	91	92	92	92
Efficiency	61	71	73.5	76	75	73	75.4
Speed	3558	3526	3496	3457	3407	3356	3427
Line amperes	7	9	11.5	14.5	18	21.8	16.6

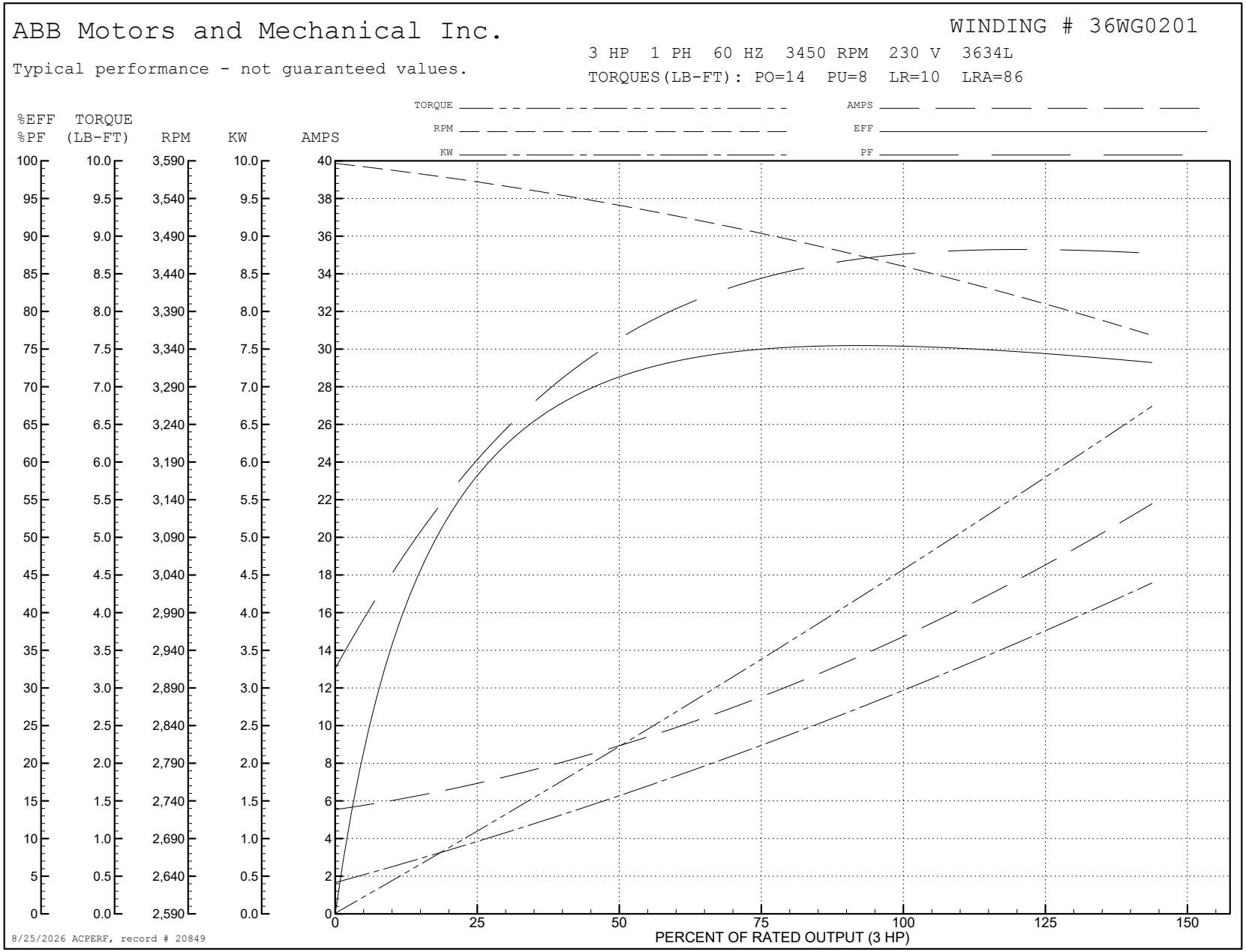


ABB Motors and Mechanical Inc.
WINDING # 36WG0201
3 HP 1 PH 60 HZ 3450 RPM 230 V 3634L
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=14 PU=8 LR=10 LRA=86
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
8/25/2026 ACPERF, record # 20849

AC Induction Motor Performance Data
Record # 64041
Typical performance - not guaranteed values

Winding: 36WG0201-R002	**Type:** 3634L	**Enclosure:** XPFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	4.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			29/14.5	**Breakdown Torque**	14 LB-FT
R.P.M.			3450	**Pull-up Torque**	8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	10 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	172 A
Service Factor (S.F.)			1	**No-load Current**	11 A
NEMA Nom. Eff.	76	**Power Factor**	87	**Line-line Res. @ 25ºC**	0.149 Ω A Ph 0.89 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	80°C
				Locked-rotor Power Factor	75.6
				Rotor inertia	0.153 LB-FT2

Load Characteristics 115 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	58	77	86	87	88	88
Efficiency	61.3	71	73.6	76	75	73
Speed	3558	3526	3496	3457	3407	3356
Line amperes	14	18	23	29	36	43.6

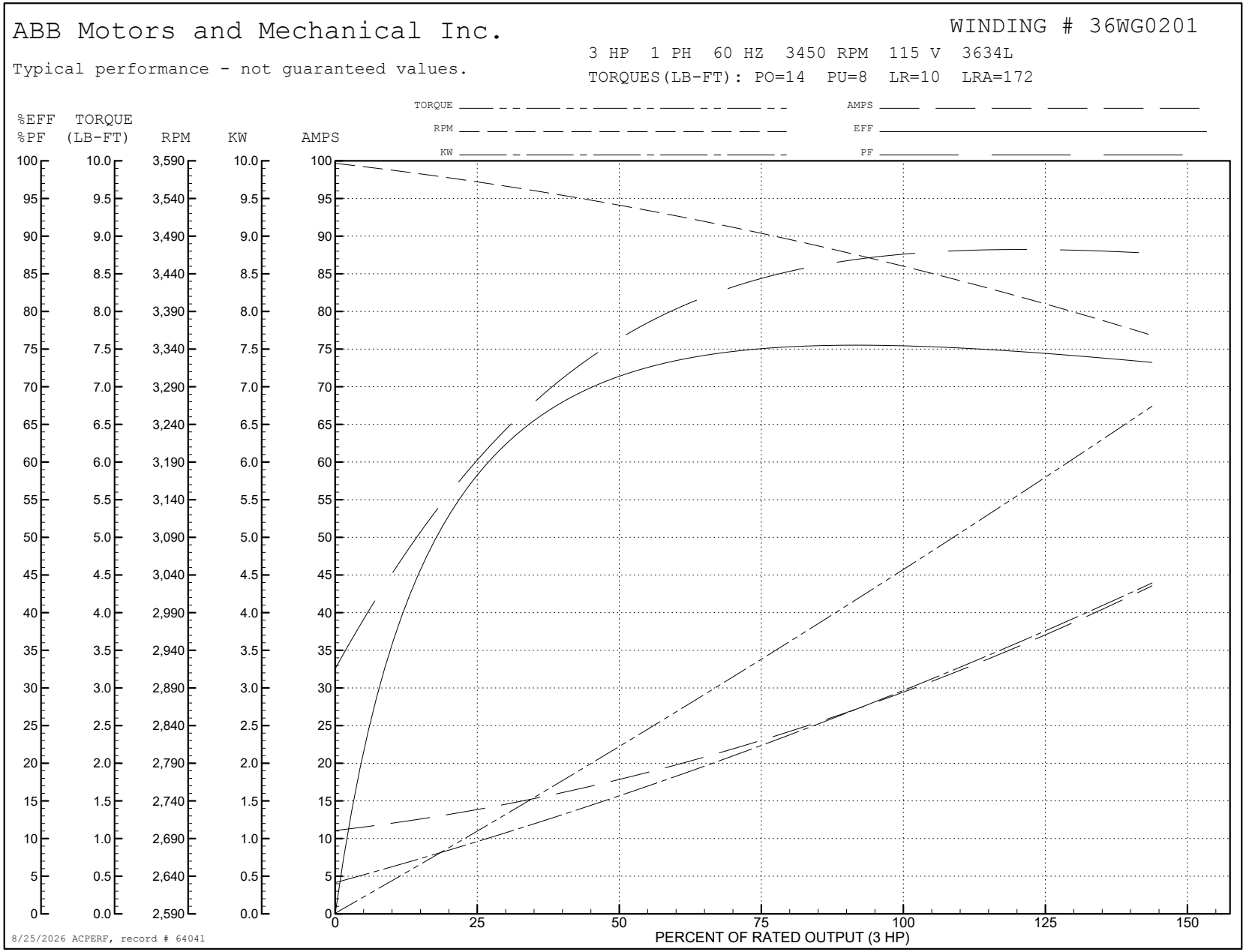
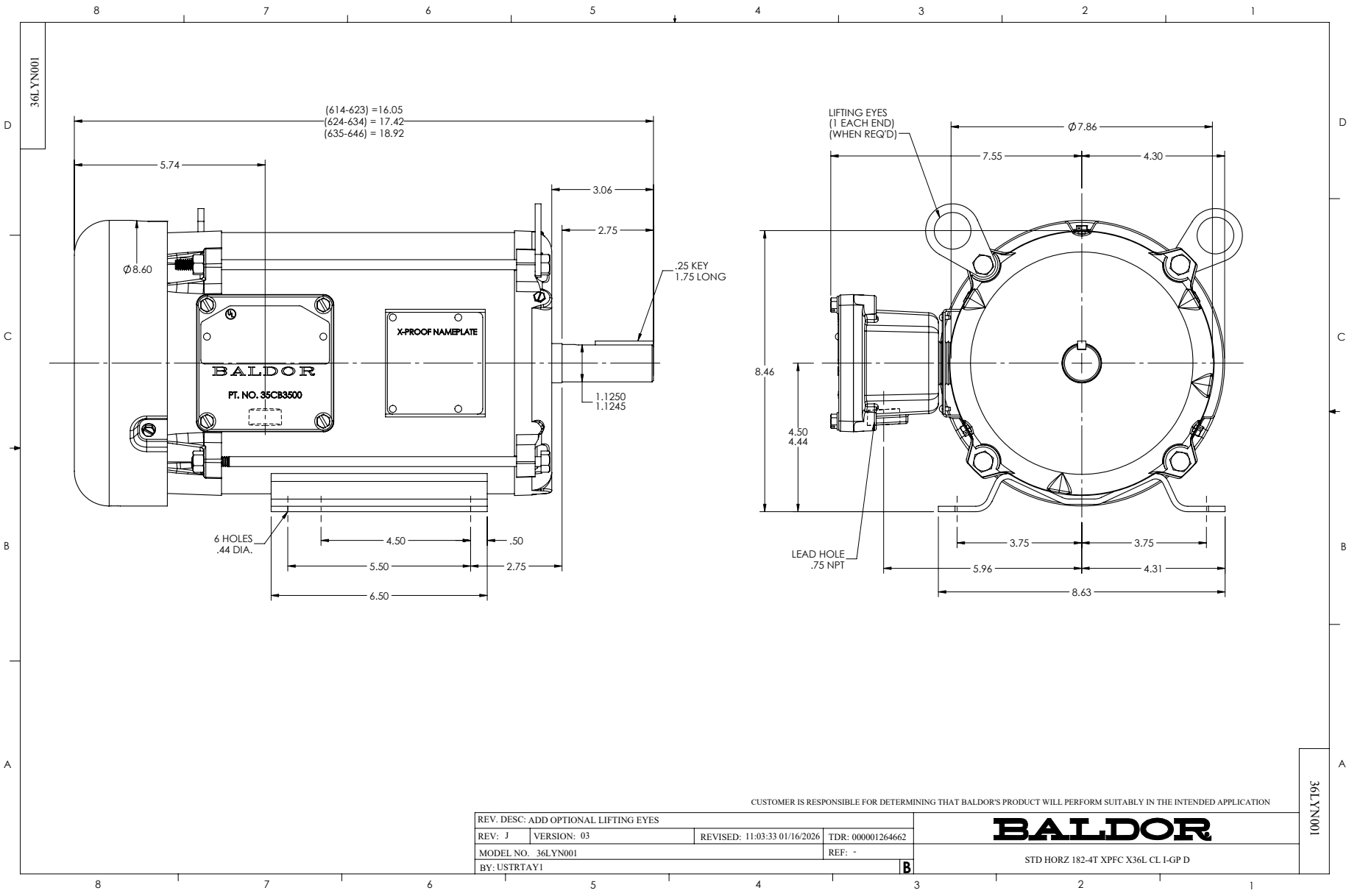
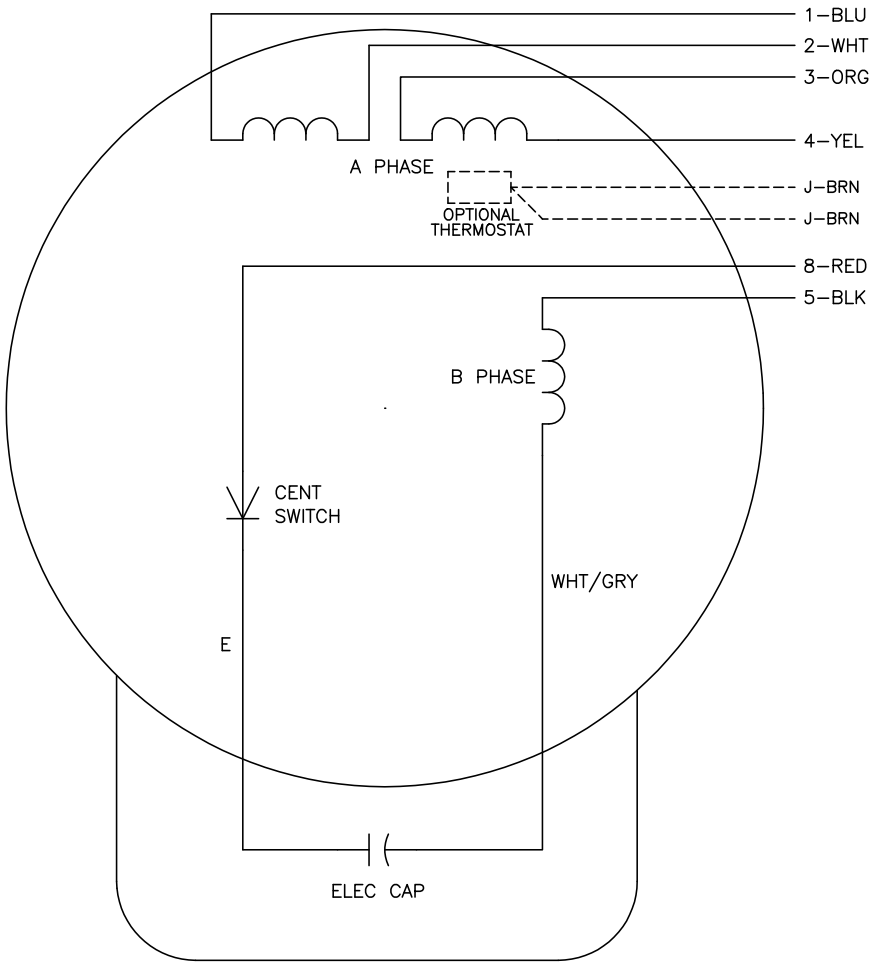


ABB Motors and Mechanical Inc.
WINDING # 36WG0201
3 HP 1 PH 60 HZ 3450 RPM 115 V 3634L
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=14 PU=8 LR=10 LRA=172
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
8/25/2026 ACPERF, record # 64041


36LYN001
(614-623) =16.05
(624-634) = 17.42
(635-646) = 18.92
5.74
3.06
2.75
Ø8.60
.25 KEY
1.75 LONG
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35C83500
1.1250
1.1245
6 HOLES
.44 DIA.
4.50
.50
5.50
2.75
6.50
LIFTING EYES
(1 EACH END)
(WHEN REQ'D)
Ø7.86
7.55
4.30
8.46
4.50
4.44
LEAD HOLE
.75 NPT
3.75
3.75
5.96
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD OPTIONAL LIFTING EYES
REV: J
VERSION: 03
REVISED: 11:03:33 01/16/2026
TDR: 000001264662
MODEL NO. 36LYN001
REF: -
BY: USTRTAY1
B
BALDOR
STD HORZ 182-4T XPFC X36L CL I-GP D
36LYN001

CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS

CD0001